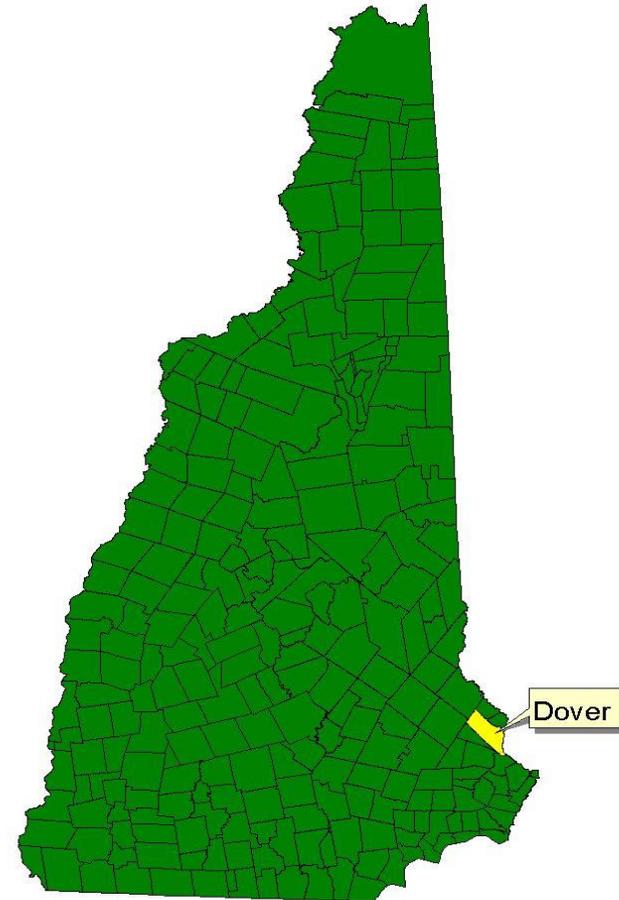


Stormwater Management



Dover, New Hampshire:

- Population 30,665
- Old Textile Mill Community
- Two major rivers; Bellamy and Cochecho, which flow into the Great Bay
-
- Split fresh water and tidal
- Sewer Separation project during the 1970's - mainly installed new sanitary mains



Participants at the Beginning:

- City of Dover Staff



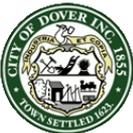
- UNH Stormwater Center



- NH Department of Environmental Services



- Environmental Protection Agency



New Definitions to Learn:

BMP – Best Management Practice

LID – Low Impact Development

OMDB – Over My Dead Body

RG – Rain Garden

NDP – No Damn Plants



GW – Gravel Wetland

MHA – Must Have Access

MS4 – More Sh#@ 4 me

BACB – Big Ass Catch Basin

SWMP – Stormwater Management Plan

RMP – Right Maintenance Plan



Berry Brook Project:

- Discovered problems with the brook
- Had to relocate stock yard - water stock moved to Community Services headquarters
- Loss of city's inventory building
- City Staff tasked with constructing small rain garden at the elementary school







Berry Brook Project cont.:

- Asked to be involved in 2nd project
- Design problems – not addressing whole issue
- Headworks of the BMP
- Held a few onsite meetings with design engineers
- Final design approved (mostly in field)





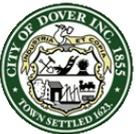
Berry Brook Project cont.:

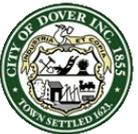
- First BACB installed on Snow Avenue
- First major Rain Garden with Plants
- Address residents concerns ie. trees, erosion and runoff from property
- Improvements made to entire system from BACB to Brook
- Started to develop new standards











Old Stormwater Thinking:

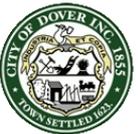
- Create a direct path to river or brook
- Add pipe or culverts to remove any ponding near roadway
- Full drainage project includes many catch basins with large pipes directly to river or brook



New Stormwater Thinking:

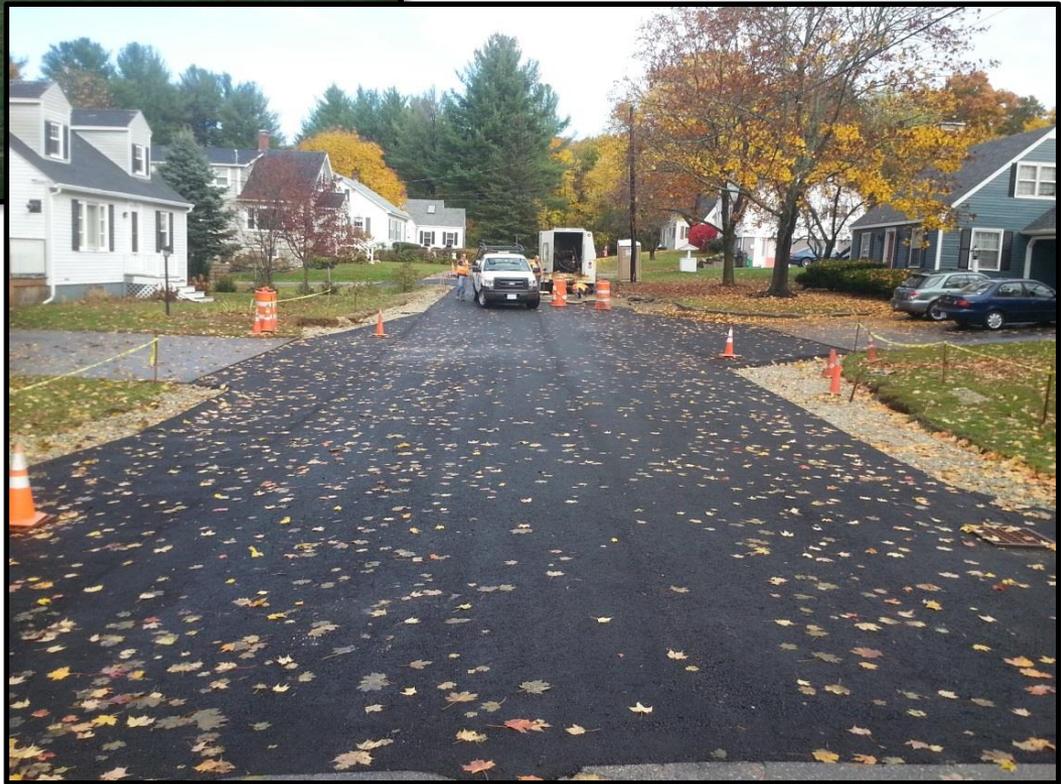
- Employee Involvement
- Resident Involvement
- Catching Sediment and Trash
- Capture and Treat Stormwater close to source
- Reduce Impervious Area
- Try new systems and ideas... but always keep in mind maintenance impact

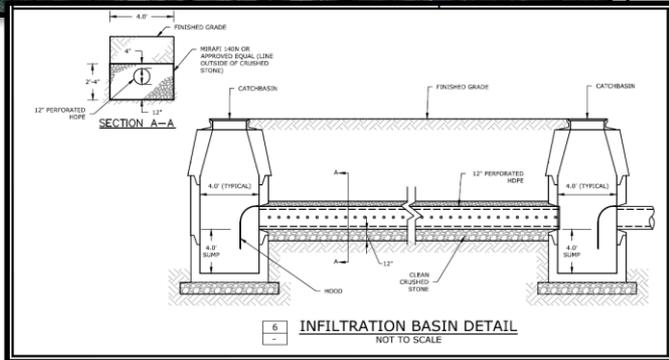
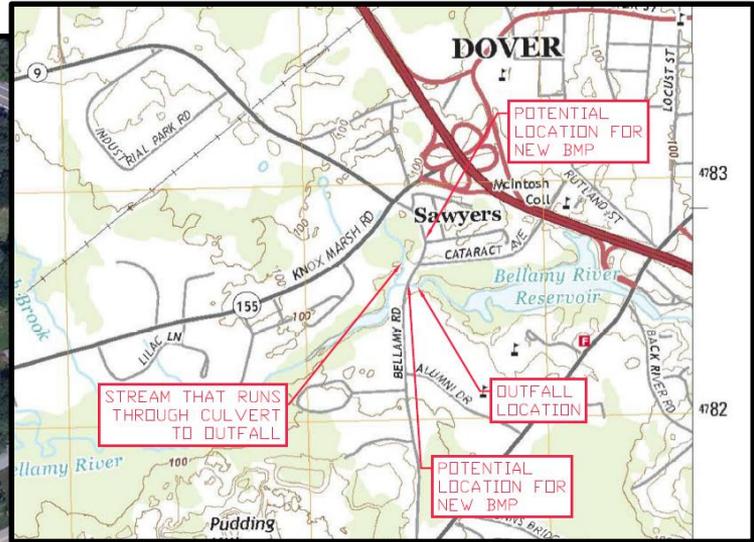




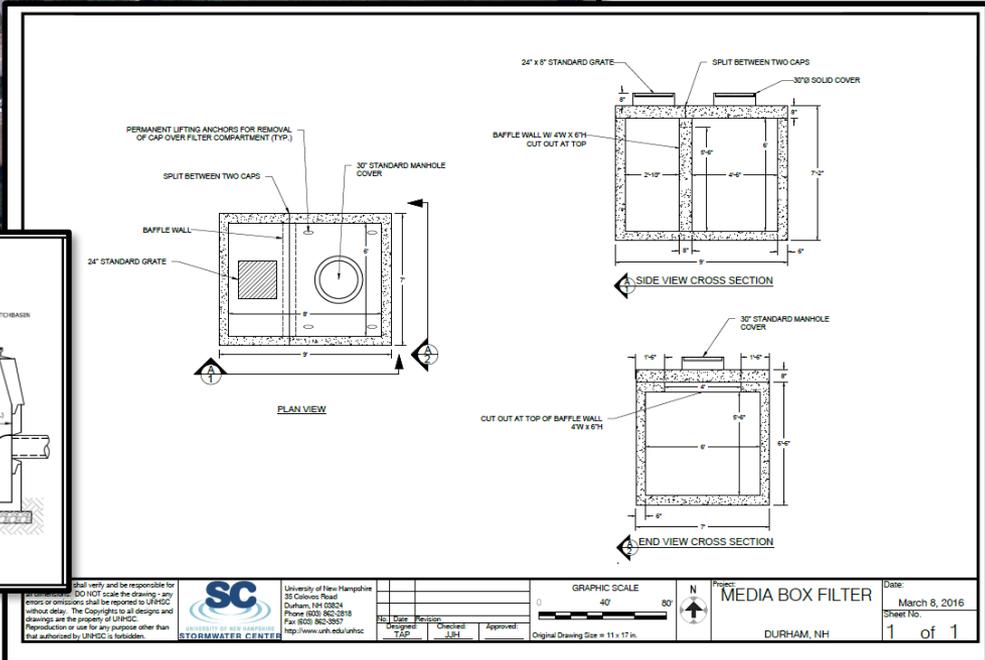








6 INFILTRATION BASIN DETAIL
NOT TO SCALE



I shall verify and be responsible for the accuracy of the data used in this drawing. I shall be responsible for the design of the filter and the filter media. I shall be responsible for the design of the filter and the filter media. I shall be responsible for the design of the filter and the filter media.



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DR	MD	MD	MD	MD	MD
DESIGNER	CHECKER	APPROVER	APPROVER	APPROVER	APPROVER
J.P.	J.B.	J.B.	J.B.	J.B.	J.B.

GRAPHIC SCALE
0 40 80
Original Drawing Size = 11 x 17 in.

PROJECT: MEDIA BOX FILTER
DATE: March 8, 2016
SHEET NO. 1 of 1
DURHAM, NH

